

JUSTIFICATION FOR SOLE SOURCE (Simplified Acquisitions <\$150K)

The service or material listed on TBD is sole source and competition is precluded for reasons indicated below. There are no substitutes available for this material or service.

Restricted to the following source.

Vendor: George Washington University, Department of Mechanical and Aerospace Engineering

Vendor POC & phone nr: Dr. Chen Friedman, PhD, Post-Doctoral Scientist, 301-957-8231

Vendor address: 800 22nd St NW, Washington, DC 20052

Dealer / Rep: N/A

Dealer / Rep address / phone nr: N/A

X Description of the item or service required, the estimated cost, and required delivery date.

Technical support services for the collection and analysis of whirl stand dynamic interface data in support of the United States Naval Academy (USNA) Office of Naval Research (ONR) funded Center for Air Wake Studies and for services in support of the related Virtual Dynamic Interface project. The requirement consists of a five (5) month period of performance period that will commence on 1 Aug 2015 and conclude on 31 December 2015.

X Specific characteristics of the material or service that limit the availability to a sole source (unique features, function of the item, etc.). Describe in detail why only this suggested source can furnish the requirements to the exclusion of other sources.

The NAVSUP Fleet Logistics Center (FLC) Norfolk Contracting Department has awarded four prior contracts (N00184-12-P-1183, N00189-13-P-Z212, N00189-14-P-0204 and N0016114RCZ0608) to George Washington University in support of the Ship Air Wake Project research effort.

Dr. Friedman is a highly qualified Post-Doctoral Scientist with specific and extensive training in simulating and analyzing the behavior and performance of rotary wing aircraft. He possess the necessary academic skills and required specific academic training to complete demanding ship air wake analysis and prediction. He has been working on ship air wake and dynamic interface data analysis since June 2014 and was previously funded via N0016114RCZ0608. Dr. Friedman has intimate knowledge of the scientific and system requirements of the research program, and is uniquely suited to assist the USNA researchers in advancing ship air wake analysis and prediction.

As authorized by the Federal Acquisition Regulation (FAR), services may be deemed to be available only from the original source in the case of follow-on contracts for the continued provision of highly specialized services when it is likely that award to any other source would result in-- (A) Substantial duplication of cost to the Government that is not expected to be

recovered through competition, or (B) Unacceptable delays in fulfilling the agency's requirements (See 10 U.S.C. 2304(d)(1)(B))

☒ The requested material or service represents the minimum requirements of the government.

CHECK & FILL IN ALL APPLICABLE BLANKS BELOW

The material/service must be compatible in all aspects (form, fit and function) with existing systems presently installed/performing. Describe the equipment/function you have now and how the new item/service must coordinate, connect, or interface with the existing system.

A patent, copyright or proprietary data limits competition. The proprietary data is

_____ (name and address of "inventions" parts/components for existing equipment)

Other information to support the justification is _____

The continued support of George Washington University is necessary to maintain consistency and uniformity in the research analysis and results. Utilizing the services of another organization would require extensive re-work due to Dr. Friedman's contributions, resulting in a lengthy delay in the completion of the research.

I CERTIFY THAT STATEMENTS CHECKED, AND INFORMATION PROVIDED ABOVE, ARE COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THE PROCESSING OF THIS SOLE SOURCE JUSTIFICATION PRECLUDES THE USE OF FULL AND OPEN COMPETITION.

Signature _____

Title _____

Activity U.S. Naval Academy

Date _____

Contracting Officer Signature _____

Date _____

SAP Sole Source